

ABSTRACTPOSITION SENSOR

5 A low cost x-y digitising system is described for use in
consumer electronic devices, such as portable digital
assistants, mobile telephones, web browsers and the like.
The digitizer includes a resonant stylus, an excitation
winding for energising the resonant stylus and a set of
10 sensor windings for sensing the signal generated by the
stylus, from which the x-y position of the stylus is
determined. The excitation signals applied to the
excitation winding are designed to reduce the power drawn
from the power supply which makes the digitising system
15 particularly suited to battery operation.

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